



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,677	07/08/2003	Glen A. Oross	200308977-1	2586

7590 04/21/2004

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

BLACKMAN, ROCHELLE ANN J

ART UNIT	PAPER NUMBER
----------	--------------

2851

DATE MAILED: 04/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

lm

Office Action Summary	Application No. 10/616,677	Applicant(s) OROSS, GLEN A.	
	Examiner Rochelle Blackman	Art Unit 2851	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 July 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 July 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>07/08/03</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

1. The drawings are objected to under 37 CFR 1.83(a) because they fail to show the structure detail of reference numbers 42, 44, and 46 in FIG. 2 as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "service information", "projector service information", "identification of a projector service provider" and "a business card display device" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: reference number 34 in Figs. 2 and 4. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the

Art Unit: 2851

description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

The disclosure is objected to because of the following informalities: on pg. 1, line 8, - -be- -should between "may" and "used".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-22 and 24-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Rodriguez, Jr. et al., U.S. Patent No. 6,082,864.

Regarding claims 1-15, Rodriguez, Jr. discloses a "digital projector"(see Figs. 1-13), comprising: a "projector housing"(see 12 of Figs. 1, 2, and 4); and a "manually openable panel that provides access to the interior of the projector housing"(see 21 of Figs. 3, 5, 6, 6a, and 7 and col. 3, lines 65-67 or see 50,62 of Figs. 3, 5, 6, 6a, and 7); "where the panel remains associated with the projector housing while open; where the panel includes a pivotal connection to the housing; and where the pivotal connection includes a hinge"(see col. 3, lines 65-67 or 54 of Figs. 3 and 7); "where the panel is

Art Unit: 2851

openable by depressing a latch actuator”(see where the smaller arrow is pointing in Fig. 5 or see 23 of Figs. 6, 6a, 8, and 9); “where the panel provides access to a projector component; where the projector component is removable”(see 70 or 170 of Figs. 3, 6, 7-13); “where the projector component includes a lamp module; where the projector component includes a circuit board; and where the projector component includes a control panel”(see 52, 56-60 of Figs. 3, 6, and 7); “where the panel provides access to service information; where the service information includes an identification of a projector service provider; and where the panel provides access to a business card display device”(see “panel” 21 or 50,62 of Figs. 3, 5, 6, 6a, and 7); a “safety interlock configured to interact with the panel; where the safety interlock is configured to disable at least one projector component when the panel is open; and where the safety interlock is configured to prevent the panel from opening while a hazardous condition exists within the projector housing”(see 80 of Figs. 8 and 9 and col. 5, lines 16-22).

Regarding claims 16-20, Rodriguez discloses a “method of making a digital projector”(see Figs. 1-13), comprising: “providing a projector housing”(see 12 of Figs. 1, 2, and 4); “providing a projector access panel”(see 21 of Figs. 3, 5, 6, 6a, and 7 and col. 3, lines 65-67 or see 50,62 of Figs. 3, 5, 6, 6a, and 7); “connecting the access panel to the projector housing, so that the access panel remains associated with the projector housing while open”(see col. 3, lines 65-67 or 54 of Figs. 3 and 7); and “configuring the access panel to be manually openable”(see “access panel” 21 of Fig. 5 or 50,62 of Figs. 6, 6a); “where connecting the access panel to the projector housing includes pivotally connecting the access panel to the projector housing; and where pivotally connecting

Art Unit: 2851

the access panel includes forming a hinge between the projector housing and the access panel”(see col. 3, lines 65-67 or 54 of Figs. 3 and 7); “where configuring the access panel to be manually openable includes providing a latch closure for the access panel”(see where the smaller arrow is pointing in Fig. 5 or see 23 of Figs. 6, 6a, 8, and 9).

Regarding claims 20-22, Rodriguez discloses a “method of changing a lamp in a digital projector”(see Figs. 1-13), where the digital projector includes a “manually openable panel that provides access to the lamp”(for “manually openable panel” see 21 or 50,62 and for “lamp” see 70 or 170, of Figs. 3, 5, and 6-13), and “that remains associated with the projector while open”(see col. 3, lines 65-67 or 54 of Figs. 3 and 7), the method comprising: “manually opening the panel”(see 21 of Fig. 5 or see 50,62 of Figs. 6 and 6a); “removing the lamp from the projector, and inserting a replacement lamp in the projector”(see col. 5, lines 13-16 and 35-43); “where opening the panel includes depressing a latch actuator”(see where the smaller arrow is pointing in Fig. 5 or see 23 of Figs. 6, 6a, 8, and 9); and “where removing the lamp from the projector includes removing a lamp module from the projector; and removing the lamp from the lamp module”(see col. 5, lines 13-16 and 35-43).

Regarding claims 24 and 25, Rodriguez discloses a “method of upgrading a digital projector”(see Figs. 1-13), “where the digital projector includes a manually openable panel that provides access to a projector component”(for “manually openable panel” see 21 or 50,62 and for “projector component” see 70 or 170, of Figs. 3, 5, and 6-13), “where the panel remains associated with the projector while open”(see col. 3,

Art Unit: 2851

lines 65-67 or 54 of Figs. 3 and 7), the method comprising: “manually opening the panel”(see 21 of Fig. 5 or see 50,62 of Figs. 6 and 6a); and “upgrading the component; and where upgrading the component includes removing the component and inserting a replacement component”(see col. 5, lines 13-16 and 35-43).

Regarding claims 26-31, Rodriguez discloses a “digital projector”(see Figs. 1-13), comprising: “means for projecting an image”(see 42 of Fig 1), “means for housing the projecting means”(see 12 of Figs. 1, 2, and 4); and “means for providing access to the interior of the housing means”(see 21 or 50,62 of Figs. 3, 5, 6, 6a, and 7), “where the means for providing access is manually operable and remains associated with the housing means”(see col. 3, lines 65-67 or 54 of Figs. 3 and 7); a “means for disabling the projecting means when the means for providing access is operated; and disabling the means for providing access while a hazardous condition exists within the housing means”(see 80 of Figs. 8 and 9 and col. 5, lines 16-22); a “means for providing access to projector service information; where the means for providing access to the interior of the housing is configured to permit removal of one or more components of the projecting means; and where the means for providing access to the interior of the housing is configured to permit replacement of one or more components of the projecting means”(see col. 5, lines 13-16 and 35-43).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over Rodriguez, Jr. et al., U.S. Patent No. 6,082,864 as applied to claim 20 above, and further in view of Onishi et al., U.S. Patent Application Publication No. 2002/0008852.

Rodriguez disclose the claimed invention except for the digital projector being mounted to a "ceiling".

Onishi discloses a projector 1 that is suspended by support members 81 mounted to ceiling 80 (see FIG. 4).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to mount the "digital projector" the Rodriguez reference to a ceiling, since Onishi shows that it is well known in the art to mount projectors to ceilings.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Zavracky et al., U.S. Patent No. 5,713,652 discloses a carousel slide projector with a light valve slide assembly 200 in the extended position. Located behind the access door 150 is a handle slot 105 (shown in phantom). A slide handle 220 (shown in phantom) extends through the handle slot 105 and moves relative to the

Art Unit: 2851

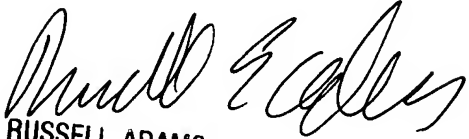
handle slot 105 as the light valve slide assembly 200 is moved within the housing 100 (see Figs. 2A and 2B).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rochelle Blackman whose telephone number is (571) 272-2113. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russell Adams can be reached on (571) 272-2851. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RB


RUSSELL ADAMS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800